

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work:- Detailed Estimate for the Work of Maintainance of Library Building at yelahanka new town 5th phase in chowdeshwari of Ward No-2

Estimate Cost Rs. 10.00 Lakhs

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 2-1 1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1 5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications (Page No 6 /S no 2 1,PWD SR 2018-19)	Cum							
	Surrounding Levelling		1	40 00	10 00	0 20	80 00		
	Basic Rate	249 00					80 00	268 92	21514 00
	Area Weightage @ 8%	19 92							
	Total	268 92							
2	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no136,PWD SR 2018-19)	Cum							
							Qty vide item No 1	80 00	61 56
	Basic Rate	57 00							4925 00
	Area Weightage @ 8%	4 56							
	Total	61 56							
3	KSRRB 4 1 2 - Providing and laying in position Plain Cement Concrete of mix 1 3 6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 892 cum and fine aggregates @ 0 465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications (P 13 /4 2,PWD SR 2018-19)	Cum							
	Cobble stone		1	40 00	1 80	0 15	10 80		
	Basic Rate	5194 00					10 80	5609 52	60582 82
	Area Weightage @ 8%	415 52							
	Total	5609 52							

4	KSRB 4-1.5 Providing and laying in position Plain Cement Concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43cum, with superplasticiser @ 3lts conforming to IS9 103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications (P13 / 4 5, PWD SR 2018-19)	Cum								
	Cobble stone		1	40 00	1 80	0 10	7 20			
	Basic Rate	5328 00					7 20	5754 24	41431 00	
	Area Weightage @ 8%	426 24								
	Total	5754 24								
5	KSRB 2.6 Providing and filling of Sand in Foundation to required depth to play area for sub soil treatment including Watering ramming, with all lead and lift, etc as per specifications (P No 7 / I No 2.13, PWD SR 2018-19)	Cum								
	Cobble stone		1	40 00	1 80	0 05	3 60			
	Basic Rate	2060 00					3 60	2183 60	7861 00	
	Area Weightage @ 6%	123 60								
	Total	2183 60								
6	KSRB 14.6-1 Providing and fixing of available heavy duty cobble stones 60mm thick interlock pavers, using cement and coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm joints, final compaction of paver surface joints into its final level, including thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications (P No 103 of I No 14.6, PWD SR 2018-19)	Sqm								
	Cobble stone		1	40 00	1 80		72 00			
	Basic Rate	1053 00					72 00	1137 24	81881 00	
	Area Weightage @ 8%	84 24								
	Total	1137 24								
7	Providing and fixing precast solid concrete kerb stones made out of CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P No. 25 I. No 5.29.2, PWD SR 2018-19)	No.s								
			180				180 00			
	Basic Rate	364 00					180 00	393 12	70762 00	
	Area Weightage @ 8%	29 12								
	Total	393 12								

8	Providing external walls with texture in approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading & unloading, all lead and lift and other incidental charges including scaffolding and removing stains, complete as per specification (P-127/15 103, PWD SR 2018-19)	Sqm							
	Long walls :-	2	13 00		4 00	104 00			
	Short walls :-	2	8 20		4 00	65 60			
	columns	10	1 00		4 00	40 00			
	Window chejjas	2	1 8	2 10	0 45	15 12			
	Parapet walls	2	13 00		0 60	15 60			
		2	8 20		0 60	9 84			
	Staire case wall	2	3 00		1 80	10 80			
	Roof projection	2	8 20	1 50		24 60			
						285 56			
	Deductions (-) :-								
	D	1	1 50		2 10	3 15			
	w	8	1 80		1 20	17 28			
	v	2	1 50		0 60	1 80			
						22 23			
	Basic Rate	340 00				263 33	367 20	96694 78	
	Area Weightage @ 8%	27 20							
	Total	367 20							
9	Providing and Applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P No. 121 Item No 15 60 1 PWD SR 2018-19)	Sqm							
	CG	2	1 2 00		2 10	8 40			
	kerbs	2	1 40 00		0 30	24 00			
	Fencieng	2	1 150 00		1 50	450 00			
	Basic Rate	97 00				482 40	104 76	50536 22	
	Area Weightage @ 8%	7 76							
	Total	104 76							
10	KSRB13-1 1 Providing and fixing Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) size 12 5cms x 7 5cms (P-90 & 12 113 2 PWD SR 2018-19)	Each							
		2				2 00	307 80	615 60	
	Basic Rate	285 00							
	Area Weightage @ 8%	22 80							
	Total	307 80							
11	KSRB13-1 1 Providing and fixing 7 5 cms to 15 00 cms dia NP grating 100 mm dia (P-90 & 12 111 PWD SR 2018-19)	Each							
		2				2 00	162 00	324 00	
	Basic Rate	150 00							
	Area Weightage @ 8%	12 00							
	Total	162 00							

12	KSRB13-1.1 Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications (P-92 & 13.3, PWD SR 2018-19)	Each							
			2				2 00	335 88	671 76
	Basic Rate	311 00							
	Area Weightage @ 8%	24 88							
	Total	335 88							
13	KSRB 11-11.8 Providing ,supplying & commissioning of 1 H.P submersible single phase of Make ATLANTA/SUGUNA/CRI/KIRLOSKAR/OTER EQUIVALENT PUMPS.	Unit							
			1				1 00	12600 00	12600 00
14	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660 x 460 with a pair of 15 mm C P brass pillar taps with pair of elbow operated levers, C I / M S brackets, 32 mm C P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification KBS 11 (Page : 83 Item No 12.30, PWD SR 2018-19)	Unit							
			2				2 00	4973 40	9946 80
	Basic Rate	4605 00							
	Area Weightage @ 8%	368 40							
	Total	4973 40							
15	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads, complete as per specifications. Specification No KBS 13.2.2/13.3 (Page No 91 & Item No 13.25, PWD SR 2018-19)	Each							
			2				2 00	254 88	509 76
	Basic Rate	236 00							
	Area Weightage @ 8%	18 88							
	Total	254 88							
16	Providing and placing on terrace, polyethylene waterstorage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) (Page : 96 Item No 13.78, PWD SR 2018-19)	Nos							
			2				2 00	7374 24	14748 48
	Basic Rate	6628 00							
	Area Weightage @ 8%	546 24							
	Total	7374 24							

17	KSRB 11-15.3 Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications (Page 84 Item No. 12.41, PWD SR 2018-19)	Unit							
			2				2 00	1226 88	2453 76
	Basic Rate	1136 00							
	Area Weightage @ 8%	90 88							
	Total	1226 88							
18	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150 mm allround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia (P 68/I 2) Electrical -SR 2015-16)	Each							
			1				1	3000 00	3000 00
19	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc complete (P 32/I 3a) Electrical -SR 2015-16)	Each							
			6				6	54 00	324 00
20	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorescent tube A Group (P 16/I 2a) Electrical -SR 2015-16)	No							
			20				20	400 00	8000 00
21	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P 9/I 20Ib) Electrical -SR 2015-16)	Rmtr							
			1	200 00			200 00	15 00	3000 00
22	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P 68/I 3Ic) Electrical -SR 2015-16)	Rmtr							
			4	6 00			24 00	221 00	5304 00
23	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical -SR 2015-16)	No							
			8				8	370 00	2960 00

24	Supplying capacitor type ceiling fan complete with down rod blades, shackle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P 23/I 23IIa) Electrical -SR 2015-16)	Nos							
			8				8	1900 00	15200 00
25	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 amperes ceiling rose, necessary length of 23/0 0076 inch PVC insulated twin twisted copper wire and wiring completely (P 29/I 8) Electrical -SR 2015-16)	Nos							
			8				8	105 00	840 00
26	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete (P 28/I 12b) Electrical-SR 2015-16)	Nos							
			8				8	685 00	5480 00
27	Providing and fixing ornamental delhi benches as per design specification and fixing as per the direction of Engineer in charge of work	No s							
			20				20 00		
							20 00	8500 00	170000 00
28	Furnitures Of Racks, Plastic Chaires Tables and LED- Bulbs Etc								200000 00
								Total RS	892165.98
29	12% OF GST CHARGES								107059.92
30	Miscelanious and Unforgen Charges	L/S							774 11
								Grand Total RS	1000000.00

(Rupees Ten Lakhs Only)

CERTIFICATE

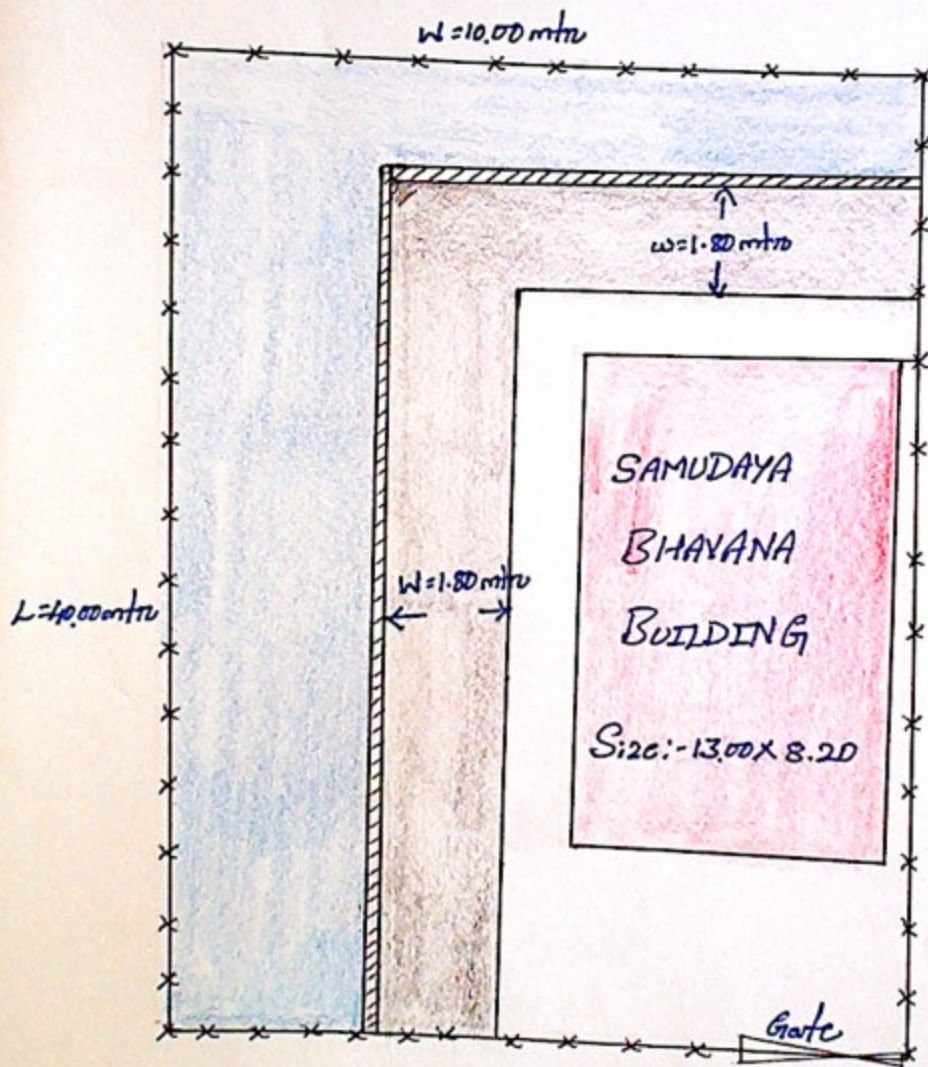
- 1 The work spot has been inspected and the work is found necessary
- 2 This estimate is prepared as per C S R. of 2018-19 & Electrical SR 2015-2016
- 3 The provisions were made in this estimate are necessary and adequate
- 4 This works come under B B M P limits

[Signature]
Assistant Engineer
Ward no. 02

[Signature]
Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Administrative Sanction for Rs. <u>10.00</u> <u>Ten Lakhs</u> <u>001-</u> is accorded under head <u>10-1771</u> <u>- 2018-19</u> Registered as CE No. <u>LE/AA/BS/18-19</u> Subject to conditions contained in enclosed memo No. <u>25-2-19</u> <i>[Signature]</i> Executive Engineer	TECHNICAL SANCTIONED FOR Rs. <u>10.00</u> <u>Ten Lakhs</u> Under <u>P.1771-2018-19</u> Registered as CE () No. <u>9</u> Subject to conditions contained in enclosed memo () No. <u>10/</u> Dt. <u>LE/58/53/18-19</u> Estimate Approved Dated <u>25-02-19</u> Rs. <u>10.00</u> <i>[Signature]</i> Executive Engineer
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Name of work: - Improvements of Library Building
in Yelashankar New Town 5th phase
Chaudeshwari in Chaudeshwari ward no. 2



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